Title (en)

PHASE CHANGE INK TRANSFIX PRESSURE COMPONENT WITH SINGLE LAYER CONFIGURATION

Title (de)

Element zur Druckübertragung Phasenaustauschtinte mit Einschichtkonfiguration

Title (fr)

Elément pour le transfert par pression d'une encre à changement de phase avec une configuration monocouche

Publication

EP 1717044 A3 20080312 (EN)

Application

EP 06112811 A 20060420

Priority

US 11471105 A 20050425

Abstract (en)

[origin: EP1717044A2] An offset printing apparatus for transferring a phase change ink onto a print medium having a phase change ink component for applying a phase change ink in a phase change ink image; an imaging member for accepting the phase change ink image from the phase change ink component, and transferring the phase change ink image from the imaging member to the print medium, and a transfix pressure member positioned in association with the imaging member, wherein the print medium passes through a nip formed between the imaging member and the transfix pressure member, and wherein the imaging member exerts pressure on the transfix pressure member so as to transfer and fuse the phase change ink image from the imaging member to the print medium, and further wherein the transfix pressure member includes a substrate; and an outer layer having a modulus of from about 8 to about 300 MPa, a thickness of from about 0.3 to about 10 mm, and wherein the pressure exerted at the nip is from about 750 to about 4,000 psi.

IPC 8 full level

B41J 2/005 (2006.01); **B41F 13/18** (2006.01); **B41J 2/175** (2006.01)

CPC (source: EP US)

B41J 2/0057 (2013.01 - EP US); **B41J 2/17593** (2013.01 - EP US); B41J 2002/012 (2013.01 - EP US)

Citation (search report)

- [XY] US 5777650 A 19980707 - BLANK JEFFREY K [US]
- [Y] US 2003234840 A1 20031225 - PAN DAVID H [US], et al

Cited by

EP1719622A3; CN109789698A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1717044 A2 20061102; **EP 1717044 A3 20080312**; **EP 1717044 B1 20140709**; JP 2006306094 A 20061109; US 2006238586 A1 20061026; US 7407278 B2 20080805

DOCDB simple family (application)

EP 06112811 A 20060420; JP 2006118832 A 20060424; US 11471105 A 20050425